



January 17, 2006

Steve Tuggle  
USDOE Western Area Power Administration  
114 Parkshore Drive  
Folsom, CA 95630-4710

**Re: Winter 2006 Substation Bareground Herbicide Recommendations**

Dear Steve,

Following please find four recommendations for your WAPA substations from Shasta County south through Livermore and Melones. The first three are varying strengths of bareground herbicide mixes. All of these recommendations contain Accord Concentrate, the utility glyphosate formulation, as well as appropriate adjuvants and dyes. The fourth is an Accord/Garlon 4 general "cleanup" spray for later in the year, or for places where pre-emergent herbicides cannot be used. The recommendations are as follows:

- **Rec 060117A** is a Krovar I DF/Landmark MP mix. This is the "Cadillac" bareground mixture. It should be the foundation treatment for use in initial treatments or in areas where particularly hard-to-control perennial or woody weeds exist. It is an excellent mix to establish bareground control. It should be used for the first and, often, the second year of treatment.
- **Rec 060117B** is a Landmark MP/Payload mix. This is often used in the second or third year of an established bareground program, or in areas where bromacil (part of Krovar) might hurt desirable trees or woody plants. This mix itself has **no** restrictions around pines, as Direx and Krovar do.
- **Rec 060117C** is the Oryzalin 4/Telar "Disneyland" mix for use in sensitive areas where none of the herbicides in 060117A or 060117B should be used. This recommendation also offers GoalTender as an alternative to Telar for broadleaf weed control in true landscape sites where Telar is not labeled.
- **Red 060117D** is the cleanup recommendation mentioned above. It may not be needed, but is available if it is needed.

Please call me at 888-932-6486 (WECO IVM) if you have any questions. You may also e-mail me at [sjohnson@jtfc.com](mailto:sjohnson@jtfc.com). Thank you for the opportunity to work with you and WAPA again.

Sincerely,

Scott A. Johnson  
Vegetation Management Specialist  
916-712-0499  
[sjohnson@jtfc.com](mailto:sjohnson@jtfc.com)

**WILBUR-ELLIS COMPANY PEST CONTROL RECOMMENDATION**

No. 060117A

OPERATOR: USDOE Western Area Power Administration CONTACT: Steve Tuggle

ADDRESS: 114 Parkshore Drive; Folsom, CA 95630-4710

COUNTY: All counties in WAPA system, from Shasta County to Alameda, San Joaquin, and Tuolumne

PERMIT/ID #: NA - Use will be reported by QAL contractor

SITE: Utility substations ACRES: Variable (see project map) PESTS: Weeds

LOCATION: Utility substations, per WAPA project lists and maps.

MATERIAL (ADD IN ORDER LISTED)	RATE PER ACRE	RATE PER 100 GAL	VOLUME PER ACRE
(1) Krovar I DF	6 pounds	24 pounds	
(2) Landmark MP (@ 3.75 acres per 22.5 oz pack)	6 dry ounces	24 dry ounces	
{Equals 4 oz. Oust + 2 oz. Telar per acre}			
(3) Accord Concentrate Herbicide	3 pints	6 quarts	} <b>25 gallons</b>
(4) In-Place Deposition-Retention Agent	1 quart	1 gallon	
(5) R-11 Spreader-Activator	1 pint	4.0 pints	
(6) Hi-Light Blue Spray Pattern Indicator	8 liquid oz.	2.0 pints	

**HAZARDS AND/OR RESTRICTIONS:**

- OBSERVE ALL LABEL PRECAUTIONS
- DO NOT APPLY NEAR DESIRABLE TREES ( $\pm$  2X DRIPLINE OF TREES)
- DO NOT APPLY UNTIL AFTER FIRST SETTLING RAIN.
- DO NOT ALLOW DRIFT FROM TREATMENT AREA.
- KEEP OUT OF LAKES, PONDS, STREAMS, AND OTHER BODIES OF WATER
- APPLY ONLY UNDER CALM CONDITIONS (WIND NO GREATER THAN 10 MPH)
- RE-ENTRY: When spray has dried.

QAL: TBA DATE: Fall 2006 through Spring 2007, prior to last rains METHOD: Ground

**COMMENTS: Foundation bareground treatment. Always pre-mix Accord and In-Place before adding to water. DO NOT add In-Place separately or encapsulation will not occur.** Clear site of vegetation prior to treatment, if possible. Fill tank half full of water. Add, thoroughly mix, and **continuously** agitate the Krovar I DF and Landmark MP. Next add more water, then the Accord Concentrate/In-Place mixture, and continue to agitate the spray solution. Add R-11 when tank is about 90 percent full. Add Hi-Light dye last. Apply as a uniform spray to both target weeds and the soil. **If desirable trees are present, use either companion Recommendations 060117B or 060117C.**

I hereby certify that alternatives and mitigation measures that would substantially lessen any significant adverse impact on the environment have been considered and, if feasible, adopted. Criteria for determining need for treatment: ☒ Pest is present ☒ Pest is known to occur

Advisor's Signature:

Scott A. Johnson PCA License No. 5099 Date: 01/17/2006  
Wilbur-Ellis Company; P.O. Box 15289; Sacramento, CA 95851-0289

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P.O. BOX 15289  
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## WILBUR-ELLIS COMPANY PEST CONTROL RECOMMENDATION

No. 060117B

OPERATOR: USDOE Western Area Power Administration CONTACT: Steve Tuggle

ADDRESS: 114 Parkshore Drive; Folsom, CA 95630-4710

COUNTY: All counties in WAPA system, from Shasta County to Alameda, San Joaquin, and Tuolumne

PERMIT/ID #: NA - Use will be reported by QAL contractor

SITE: Utility substations ACRES: Variable (see project map) PESTS: Weeds

LOCATION: Utility substations, per WAPA project lists and maps.

MATERIAL (ADD IN ORDER LISTED)	RATE PER ACRE	RATE PER 100 GAL	VOLUME PER ACRE
(1) Landmark MP (@ 3.75 acres per 22.5 oz pack)	6 dry ounces	24 dry ounces	
{Equals 4 oz. Oust + 2 oz. Telar per acre}			
(2) Payload Herbicide	12 dry ounces	48 dry ounces	
(3) Accord Concentrate Herbicide	3 pints	6 quarts	} 25 gallons
(4) In-Place Deposition-Retention Agent	1.75 pints	7.0 pints	
(5) R-11 Spreader-Activator	1 pint	4.0 pints	
(6) Hi-Light Blue Spray Pattern Indicator	8 liquid oz.	2.0 pints	

**HAZARDS AND/OR RESTRICTIONS:**

- OBSERVE ALL LABEL PRECAUTIONS
- DO NOT APPLY UNTIL AFTER FIRST SETTLING RAIN.
- DO NOT ALLOW DRIFT FROM TREATMENT AREA.
- KEEP OUT OF LAKES, PONDS, STREAMS, AND OTHER BODIES OF WATER
- APPLY ONLY UNDER CALM CONDITIONS (WIND NO GREATER THAN 10 MPH)
- RE-ENTRY: When spray has dried.

QAL: TBA DATE: Fall 2006 through Spring 2007, prior to last rains METHOD: Ground

COMMENTS: *Alternative to Recommendation 060117A. **Always** pre-mix Accord and In-Place before adding to water. **DO NOT** add In-Place separately or encapsulation will not occur.* Clear site of vegetation prior to treatment, if possible. Fill tank half full of water. Add, thoroughly mix, and **continuously** agitate the Landmark MP, and Payload. Next add more water, then the Accord Concentrate/In-Place mixture, and continue to agitate the spray solution. Add R-11 when tank is about 90 percent full. Add colorant last. Apply as a uniform spray to both target weeds and the soil.

I hereby certify that alternatives and mitigation measures that would substantially lessen any significant adverse impact on the environment have been considered and, if feasible, adopted. Criteria for determining need for treatment: ☒ Pest is present ☒ Pest is known to occur

Advisor's Signature:

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## WILBUR-ELLIS COMPANY PEST CONTROL RECOMMENDATION

No. 060117C

OPERATOR: USDOE Western Area Power Administration CONTACT: Steve Tuggle

ADDRESS: 114 Parkshore Drive; Folsom, CA 95630-4710

COUNTY: All counties in WAPA system, from Shasta County to Alameda, San Joaquin, and Tuolumne

PERMIT/ID #: NA - Use will be reported by QAL contractor

SITE: Utility substations ACRES: Variable (see project map) PESTS: Weeds

LOCATION: **Sensitive areas (e.g., ornamental plants)** at substations, per WAPA project lists and maps.

MATERIAL (ADD IN ORDER LISTED)	RATE PER ACRE	RATE PER 100 GAL	VOLUME PER ACRE
(1) Oryzalin 4 Pro	1 gallon	4 gallons	
(2a) Telar — or —	2 dry ounces	1.74 dry ounces	
(2b) GoalTender Herbicide	4 pints	2 gallons	
(3) In-Place (Drift Retardant)*	1 quart	1 gallon	} <b>25 gallons</b>
(4) Accord Concentrate Herbicide	3 pints	1.5 gallons	
(5) R-11 Spreader-Activator	8 liquid oz.	4.0 pints	
(6) Hi-Light Blue Colorant	4 liquid oz.	2.0 pints	

**HAZARDS AND/OR RESTRICTIONS:**

- OBSERVE ALL LABEL PRECAUTIONS
- DO NOT ALLOW DRIFT FROM TREATMENT AREA. APPLY UNDER CALM CONDITIONS.
- KEEP OUT OF LAKES, PONDS, STREAMS, AND OTHER BODIES OF WATER
- RE-ENTRY: When spray has dried.

QAL: TBA DATE: Fall 2006 through Spring 2007, prior to last rains METHOD: Ground

COMMENTS: **Alternative to Recommendation 060117A. Always pre-mix Accord (and GoalTender, if used) and In-Place before adding to water. DO NOT add In-Place separately or encapsulation will not occur.** Clear site of vegetation prior to treatment, if possible. In addition to spray deposition and drift reduction, In-Place will help reduce Goal odors. Fill mix tank half full of water, then add Oryzalin (and Telar, if used), followed by Accord Concentrate/Goal/In-Place mixture, mix well, and continuously agitate the spray solution. Add remainder of water, then mix in R-11. Add Hi-Light last. Apply as a uniform spray to both target weeds and the soil. Avoid drift of spray containing Accord onto desirable plants, as damage may occur. Apply as a uniform spray to both target weeds and the soil. *Note: Use GoalTender if spraying near woody ornamentals. Otherwise, use Telar for broadleaf control. Telar is preferred over GoalTender for broadleaf weed spectrum and length of control.*

I hereby certify that alternatives and mitigation measures that would substantially lessen any significant adverse impact on the environment have been considered and, if feasible, adopted. Criteria for determining need for treatment: ☒ Pest is present ☒ Pest is known to occur

Advisor's Signature:

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## WILBUR-ELLIS COMPANY PEST CONTROL RECOMMENDATION

No. 060117D

OPERATOR: USDOE Western Area Power Administration CONTACT: Steve Tuggle

ADDRESS: 114 Parkshore Drive; Folsom, CA 95630-4710

COUNTY: All counties in WAPA system, from Shasta County to Alameda, San Joaquin, and Tuolumne

PERMIT/ID #: NA - Use will be reported by QAL contractor

SITE: Utility substations ACRES: Variable (see project map) PESTS: Weeds

LOCATION: Utility substations, per WAPA project lists and maps.

MATERIAL (ADD IN ORDER LISTED)	RATE PER ACRE	RATE PER 100 GAL	VOLUME PER ACRE
(1) Garlon 4	Variable	1 gallon	
(2) Accord Concentrate	"	2 gallons	Variable -
(3) In-Place Deposition-Retention Agent*	"	3 pints	Spot
(4) Syl-Tac Adjuvant	"	3 pints	Treatment
(5) Hi-Light Blue Colorant	"	1 quart	

**HAZARDS AND/OR RESTRICTIONS:**

- **DO NOT TREAT T&E PLANTS UNLESS PERMITTED BY FWS AND/OR CDF&G\*\***
- OBSERVE ALL LABEL PRECAUTIONS. DO NOT ALLOW DRIFT FROM TREATMENT AREA.
- KEEP OUT OF LAKES, PONDS, STREAMS, AND OTHER BODIES OF WATER
- APPLY ONLY UNDER CALM CONDITIONS (WIND NO GREATER THAN 10 MPH)
- RE-ENTRY: DO NOT ENTER UNTIL SPRAY SOLUTION HAS DRIED

QAL: WAPA Contractor

DATE: As needed in 2006-2007

METHOD: Directed Foliar Spray

COMMENTS: **General "Clean-up" spray.** Pre-mix Garlon 4, Accord Concentrate, and In-Place together BEFORE adding to the spray tank. **\*DO NOT add In-Place separately or encapsulation will not occur.** Fill tank half full of water. Add Garlon 4/AccordConcentrate/In-Place mix. Add Syl-Tac, when tank is almost full. Add dye last. Thoroughly mix and agitate the spray solution. Apply as a directed foliar spray, using as low pressure as possible to minimize drift potential. Spray target foliage with low volume foliar technique (target volume 25 gallons volume per acre). Direct spray away from desirable plants, as damage may occur. Areas of dense weeds or brush growth may require re-treatment, especially re-sprouting species. \*\*E.g., avoid elderberry plants, unless permitted.

\*Add In-Place and/or Hi-Light Blue Colorant when appropriate to increase spray deposition and to mitigate drift hazard. Hi-Light also aids in assessing spray pattern and nozzle wear.

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